

Title (en)
METHOD FOR ASSEMBLING A FIRST METAL PART WITH A SECOND PART MADE OF AN ORGANIC MATRIX COMPOSITE MATERIAL, AND
PIECE MADE FROM SUCH AN ASSEMBLY

Title (de)
VERFAHREN ZUR MONTAGE EINES ERSTEN METALLTEILS MIT EINEM ZWEITEN TEIL AUS EINEM ORGANISCHEN
MATRIXVERBUNDATERIAL UND AUS EINER DERARTIGEN ANORDNUNG HERGESTELLTES TEIL

Title (fr)
PROCEDE D'ASSEMBLAGE D'UNE PREMIERE PARTIE METALLIQUE AVEC UNE DEUXIEME PARTIE EN MATERIAU COMPOSITE A
MATRICE ORGANIQUE, ET PIECE RESULTANT D'UN TEL ASSEMBLAGE

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Application
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Abstract (en)
[origin: WO2021234242A1] The invention relates to a method for assembling a first metal part (12) with a second part (14) made of an organic matrix composite material, the first part (12) having a first connecting portion (12A) and the second part (14) having a second connecting portion (14B), the method comprising the steps of: - causing the first connecting portion and the second connecting portion to overlap, a through-hole (14B) of the second connecting portion opening onto the first connecting portion, - forming a protective layer (18) on the side wall (14B3) of the through-hole, - forming a seal (19A) between the protective layer and the first connecting portion, and - forming, by additive manufacturing using spray deposition of metal powder driven by a cold gas, a fastening element (20) which extends into the through-hole, is fastened to the first connecting portion and encloses the second connecting portion.

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